



PROPOSAL EVALUATION

IRWM Grant Program – Local Groundwater Assistance, FY 2012-2013

Applicant	City of Folsom	County	Sacramento
Project Title	Supplemental Groundwater Resources Study	Grant Request	\$ 249,926.00
		Total Project Cost	\$ 249,926.00

Project Description: The Proposal creates the Supplemental Groundwater Resources Study. This study intends to expand the City of Folsom's understanding of the groundwater resource and document its viability to provide economic amounts of groundwater to supplement treated surface water during the dry season.

Evaluation Summary:

Scoring Criterion	Score
GWMP or Program	5
Technical Adequacy of Work to be Performed	5
Work Plan	10
Budget	4
Schedule	5
QA/QC	5
Past Performance	5
Geographical Balance	0
Total Score	39

- **GWMP or Program:** The criterion is fully addressed and supported by thorough and well-presented documentation. The City of Folsom is a participant in two regional groundwater management entities, the Sacramento Groundwater Authority (SGA) and Sacramento Central Groundwater Authority (SCGA). The SGA officially adopted its GWMP on December 11, 2008 and SCGA officially adopted its GWMP on October 11, 2006. The applicant included a resolution to adopt the GWMP for the groundwater basin north of the American River, approved by the Sacramento Groundwater Authority on December 11, 2008.
- **Technical Adequacy of Work to be Performed:** The criterion is fully addressed and supported by thorough and well-presented documentation. The Applicant's Project Description section contains a complete detailed description of the proposed project, including the identification and collection of high quality data to better understand the groundwater resource located in northeastern Folsom. The study focuses on three main components: conducting a geophysical survey, installing a new test well based on the survey, and conducting aquifer tests to determine aquifer properties. A project website will be created to make information available to the public and associated stakeholders and a TAC will be created consisting of representatives from DWR, SGA, SCGA, and other State and Federal agencies, and thus demonstrates collaboration with local public agencies and others. The proposal demonstrates the long-term need for the project to define the potential of the local groundwater source to augment treated surface water during the dry season. The proposal is consistent with the goals of the GWMP and demonstrates that a definite and achievable quantity of new knowledge and improvement of groundwater management will be obtained by providing information on area groundwater conditions, by evaluating the local groundwater as a viable alternative to surface water in dry years, and by adding monitoring locations to the monitoring network. The proposal indicates that ongoing funding will be available from development fees, should the project determine that groundwater is an economically feasible water supply option.
- **Work Plan:** The criterion is fully addressed and supported by thorough and well-presented documentation and logical rationale. The Applicant's Work Plan (WP) adequately details the activities necessary to conduct a supplemental study of the groundwater resources in the local aquifer. The tasks fulfill the objectives of the proposal, are consistent with the Schedule and Budget, and relate to improving groundwater management consistent with the GWMP. The Applicant exhibits a strong strategy for evaluating progress and performance by documenting the deliverables and creating a solid Project Management task within the WP. Although the Applicant states that City-owned property, streets, and rights-of-way will be prioritized as exploratory borings sites, it acknowledges that agreement will need to be obtained for any sites that are on private property (Tasks 2.5 and 3.1). The applicant indicates that all results from the proposed project be regularly communicated to the public through the SGA, SCGA, forums, newsletters, websites, Council meetings, and water groups. The applicant indicates it anticipates a Negative Declaration will satisfy the requirements of CEQA for the well monitoring project, and that permits will be obtained from the applicable agency, such as permits for waste discharge and for well construction permits.



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- **Budget:** The criterion is addressed but is not thoroughly documented. The Applicant's Budget includes details and assumptions that are realistic, documented, and cost effective in meeting with the proposal's objectives, and is consistent with the Schedule. However, the Budget contains a few errors and inconsistencies with the WP. For example, for Task 1.1, the description in the WP is inconsistent with the calculation used in the Budget. There are inconsistencies, miscalculations, and missing or inaccurate direct costs in the cost assumption for subtasks 1.3, 1.5, 2.5, 2.6, 3.5 and 4.0. The applicant does not provide back-up documentation for the various sub-contractor costs such as well drilling, geophysical surveys, etc. The Applicant clearly presents cost share and grant share amount broken down by tasks.
- **Schedule:** The criterion is fully addressed and supported by thorough and well-presented documentation and logical rationale. The Applicant's Schedule includes a timeline for each work item and appears to be realistic. The Schedule also agrees with the work plan and budget, and contains text describing how the schedule was derived, and how obstacles would be resolved. The applicant shows that the proposed project will start and end within the 2-year allotted time frame. The application provides explanatory text defining how the Schedule was derived, and indicates that the city will be ready to implement the WP upon finalizing the agreement with DWR.
- **QA/QC:** The criterion is fully addressed and supported by thorough and well-presented documentation and logical rationale. The Application indicates that personnel with professional registration, certifications, and qualified experience will be performing, reviewing, and overseeing all work performed. The application describes adequate field sampling methods and that appropriate analyses will be performed by a California-certified laboratory. Methodologies include standard operating procedures, ASTM methods, USCS classifications, California state standards, and local standards and regulations. Field staff will inspect and verify that materials to be used meet the requirements and specifications of the design. The application also states that at least one field audit will be conducted during the life of the project to identify and correct any weaknesses in field practices or procedures.
- **Past Performance:** The criterion is fully addressed and supported by thorough and well-presented documentation and logical rationale. The Applicant demonstrates that the City of Folsom is capable of performing high quality work, can manage funds, and can meet deadlines for similar type of work. Examples of similar work include the City of Folsom Groundwater Resources Study, Water System Optimization Review Program, Alder Creek Watershed Planning Project, and the Lake Natoma Waterfront Enhancement Trail. The Applicant includes a Final Progress Report for the DWR grant funded Groundwater Resources Study. This report describes that the project was completed according to the proposed budget and schedule.